

## ABSTRACT OF THE DISCLOSURE

A composition and a method of using the composition to adjust the permeability of a subsurface formation is disclosed. The composition is a water insoluble gel made by cross linking a water soluble polymer. The water soluble polymer is made by polymerizing a precursor composition, wherein the precursor composition is a mixture of an acrylic acid compound and a reactant comprised of a divalent metal salt of the acrylic acid compound.